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1982 Grain Directory

BUYER'S GUIDE

Special Transportation Section Included

Milling & Baking News

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1982 GRAIN DIRECTORY/BUYER'S GUIDE

This 1982 Grain Directory/Buyer's Guide comprises three sections. The first is the Directory of Grain; the second is a Buyer's Guide of grain equipment and services; the third is a new section on Grain Transportation. The Grain Directory/Buyer's Guide was first published as a separate directory by *Milling & Baking News* in 1978.

The Grain Directory provides a comprehensive listing of companies in grain, including headquarters and plant personnel, terminal, sub-terminal, river and port elevator locations and capacities, receiving and loading methods, rail carriers and elevator services. An alphabetical listing of companies begins on Page 76.

The Buyer's Guide includes a complete listing of products and services for grain and an alphabetical listing of companies manufacturing these products. Suggestions on how to use the Buyer's Guide appear on Page 79. The Transportation Section, beginning on Page 124, provides a listing of the major grain hauling railroads, motor freight companies and barge companies.

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This Grain Directory/Buyer's Guide is unique in that each and every listing is verified by the companies listed for accuracy. Every effort has been made to present a publication free of errors and/or omissions. In the event that errors or omissions occur, the editors of *Milling & Baking News* would greatly appreciate communications to that effect so that corrections will be made in future editions.

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Trends from the '82 Grain Directory

The 1982 Grain Directory lists 545 U.S. grain elevators, with aggregate storage capacity of 1,800,631,967 bushels. The totals include 155 sub-terminal elevators with total capacity of 300,714,882 bus, 236 terminal elevators with capacity of 1,044,725,603 bus, 84 river elevators with capacity of 120,568,000 bus, and 70 port elevators with capacity of 334,623,482 bus. (See tables on this page.) A definition of each category appears on the first page of each elevator section. The 545 elevators in this Directory represent 3.6% of the total number of off-farm grain storage facilities and 25% of aggregate storage capacity as estimated by the Department of Agriculture on Jan. 1, 1981. The U.S.D.A. count of 14,958 off-farm grain storage facilities includes country elevators, storage facilities at grain processing plants such as flour mills and other miscellaneous grain storages which are not listed in the Grain Directory/Buyer's Guide.

River elevators

State	Number of elevators	Upright capacity, bus	Flat capacity, bus
Arkansas	12	21,800,000	
Florida	1	1,060,000	
Illinois	21	25,437,000	3,960,000
Indiana	2	930,000	
Iowa	5	4,558,000	
Kansas	1	930,000	
Kentucky	8	4,941,000	
Louisiana	3	5,550,000	
Minnesota	6	16,427,000	
Mississippi	5	7,950,000	
Missouri	5	6,661,517	693,483
Nebraska	2	418,000	965,000
Ohio	3	3,756,000	
Oklahoma	2	1,770,000	
Tennessee	4	5,588,000	
Washington	3	2,756,700	4,416,300
Wisconsin	1	(NR)	(NR)
Total	**84**	**110,533,217**	**10,034,783**

(NR: Not reported.)

Port elevators

State	Number of elevators	Upright capacity, bus	Flat capacity, bus
Alabama	1	3,200,000	
California	5	9,396,000	3,000,000
Florida	1	1,735,000	
Georgia	1	450,000	750,000
Illinois	4	30,655,000	12,900,000
Louisiana	12	50,392,000	8,600,000
Maryland	3	11,300,000	
Michigan	1	2,000,000	
Minnesota	3	17,700,000	2,000,000
Mississippi	2	9,000,000	
New York	1	6,700,000	6,800,000
Ohio	5	21,150,000	320,000
Oregon	5	14,753,000	6,160,000
Pennsylvania	1	2,250,000	
South Carolina	1	1,600,000	
Texas	11	47,487,482	9,910,000
Virginia	2	6,000,000	3,500,000
Washington	6	20,200,000	6,850,000
Wisconsin	5	14,865,000	3,000,000
Total	**70**	**270,833,482**	**63,790,000**

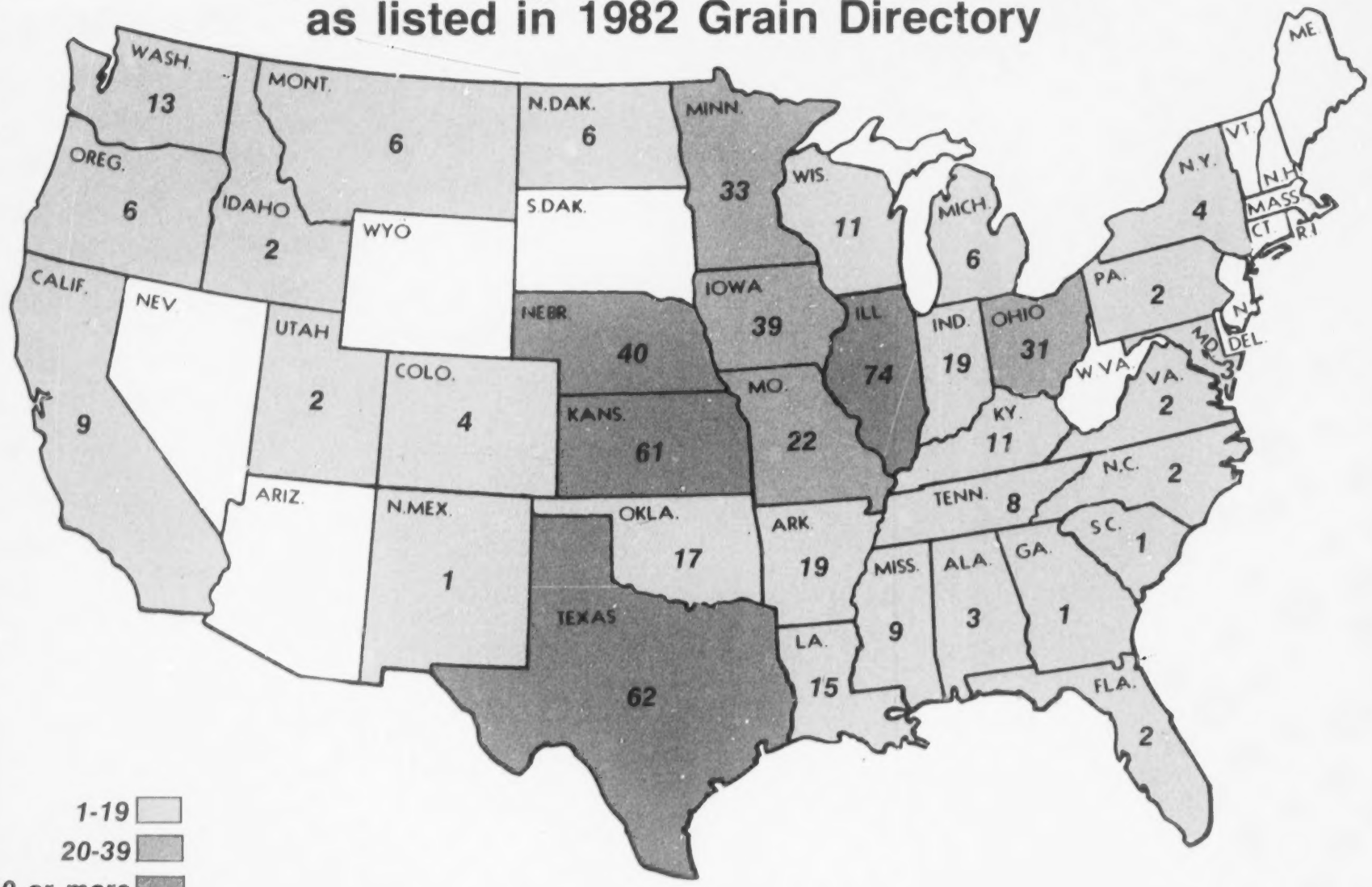
Terminal elevators

State	Number of elevators	Upright capacity, bus	Flat capacity, bus
Alabama	1	1,800,000	
Arkansas	4	41,206,000	
California	4	4,361,000	2,700,000
Colorado	2	5,334,000	
Idaho	1	852,000	
Illinois	15	60,188,000	15,620,000
Indiana	12	58,835,000	6,600,000
Iowa	14	21,013,000	4,795,000
Kansas	46	236,377,611	27,971,900
Kentucky	3	8,050,000	
Michigan	3	10,100,000	
Minnesota	18	44,671,000	11,566,000
Missouri	14	39,799,000	15,569,000
Montana	2	2,551,000	
Nebraska	25	54,555,935	21,129,959
New Mexico	1	7,000,000	
New York	3	13,532,000	
Ohio	14	49,641,000	4,844,000
Oklahoma	9	71,105,000	830,000
Tennessee	3	3,740,000	5,250,000
Texas	39	135,082,679	33,455,519
Wisconsin	3	24,600,000	
Total	**236**	**884,394,225**	**150,331,378**

Sub-terminal elevators

State	Number of elevators	Upright capacity, bus	Flat capacity, bus
Alabama	1	500,000	
Arkansas	3	8,524,000	3,800,000
Colorado	2	2,075,000	1,450,000
Idaho	1	800,000	
Illinois	34	34,124,999	9,096,000
Indiana	5	3,975,000	640,000
Iowa	20	34,165,252	3,300,000
Kansas	14	33,721,538	13,535,000
Michigan	2	1,450,000	
Minnesota	6	6,815,000	2,600,000
Mississippi	2	1,007,000	
Missouri	3	4,750,000	1,000,000
Montana	4	816,000	82,000
Nebraska	13	28,661,270	16,580,823
North Carolina	1	475,000	500,000
North Dakota	6	9,161,000	6,203,000
Ohio	9	10,320,000	1,650,000
Oklahoma	6	9,548,000	
Oregon	1	810,000	
Pennsylvania	1	141,000	
Tennessee	1	1,958,466	437,534
Texas	12	32,545,000	7,200,000
Utah	2	880,000	
Washington	4	826,000	
Wisconsin	2	4,591,000	
Total	**155**	**232,640,525**	**68,074,357**

Number of grain elevators by states as listed in 1982 Grain Directory



Grain elevators, capacity by states

(As listed in 1982 Grain Directory/Buyer's Guide.)

States	Number of elevators				Total number elevators	Total capacity bus
	Terminal	Sub-terminal	River	Port		
Alabama	1	1		1	3	5,500,000
Arkansas	4	3	12		19	75,330,000
California	4			5	9	19,457,000
Colorado	2	2			4	8,859,000
Florida			1	1	2	2,795,000
Georgia				1	1	1,200,000
Idaho	1	1			2	1,652,000
Illinois	15	34	21	4	74	191,980,999
Indiana	12	5	2		19	70,980,000
Iowa	14	20	5		39	67,831,252
Kansas	46	14	1		61	31, 536,049
Kentucky	3		8		11	12 991,000
Louisiana			3	12	15	64,542,000
Maryland				3	3	11,300,000
Michigan	3	2		1	6	13,550,000
Minnesota	18	6	6	3	33	101,779,000
Mississippi		2	5	2	9	17,957,000
Missouri	14	3	5		22	68,473,000
Montana	2	4			6	3,449,000
Nebraska	25	13	2		40	122,310,987
New Mexico	1				1	7,000,000
New York	3			1	4	27,032,000
North Carolina		1			1	975,000
North Dakota		6			6	15,364,000
Ohio	14	9	3	5	31	91,681,000
Oklahoma	9	6	2		17	83,253,000
Oregon		1		5	6	21,723,000
Pennsylvania		1		1	2	2,391,000
South Carolina				1	1	1,600,000
Tennessee	3	1	4		8	16,974,000
Texas	39	12		11	62	265,680,680
Utah		2			2	880,000
Virginia				2	2	9,500,000
Washington		4	3	6	13	35,049,000
Wisconsin	3	2	1	5	11	47,056,000
Totals	**236**	**155**	**84**	**70**	**545**	**1,800,631,967**

Principal U.S. elevator companies by capacity, number of elevators

(As listed in 1982 Grain Directory)

Company	Listed elevator capacity bus.	Number of elevators listed				Total number listed
		Terminal	Sub-terminal	River	Port	
Cargill, Inc.	147,953,000	8			13	21
Far-Mar-Co, Inc.	122,079,000	15		1	1	17
Continental Grain Co.	110,303,000	22	3	1	13	39
Union Equity Co-Op.	67,000,000	2			1	3
Pillsbury Co.	54,290,000	13	21	9	1	44
Central Soya Co., Inc.	51,330,000	7	1		1	9
Bunge Corp.*	46,995,000	10	6	32	3	51
The Andersons	42,950,000	3	3		1	7
Lincoln Grain, Inc.	39,300,000		3			3
Indiana Grain Division	38,685,000	6	2	2	2	12
Producers Grain Corp.	37,945,482	5			1	6
C-G-F Grain Co., Inc.	32,000,000	1				1
Farmers Union GTA	30,038,000	5		1	1	7
Riceland Foods, Inc.	27,300,000	2				2
General Mills, Inc.	27,172,000	10		1	1	12
ConAgra, Inc.**	26,451,000	10	2	3	1	16
Louis Dreyfus Corp.	25,480,000	2	3	1	3	9
Garvey Elevators, Inc.	24,760,000	5				5
Bartlett and Co. Grain	20,272,000	4		1		5
AGRI Industries	20,223,000	2		4	2	8
Tabor Grain Co.	19,740,252		22			22
Peavey Company	18,319,000	2	2	2	2	8
Ross Industries	18,300,000	4	1			5
West Central Co-Op.	18,000,000		3			3
Sherley-Anderson Grain	16,836,000		3			3
Early & Daniel Co.	16,500,000	4		2		6
Wagner Mills, Inc.	14,000,000	4				4
North Pacific Grain	13,849,425		1	1	1	3
International Multifoods Corp.	13,031,000	4	2		1	7
New Cooperative Inc.	12,750,000		5			5
Seaboard Allied Milling Corp.	12,194,341	3	3			6
Landmark, Inc.	11,500,000	2	5	1		8
St. Louis Grain Corp.	10,945,000	1	2	2		5
Coffield Warehouses	10,352,679	2				2
Garnac Grain Co., Inc.	10,000,000		2	6	2	10
United Grain Corp.	10,000,000		2	1	2	5
A.E. Staley Mfg. Co.	10,000,000	1				1
Great River Grain Corp.	9,500,000			3		3
Frito-Lay, Inc.	9,400,000	1				1
Smoot Grain Co.	9,174,667	7				7
Producers Rice Mill, Inc.	9,000,000		2			2
Scoular-Welsh Grain	8,754,000	7				7
Kansas City Term. Elevator	8,600,000	2				2
Checkerboard Grain Co.	8,580,000	2	1			3
Perryton Equity Exchange	8,050,000	5				5
Michigan Elev. Exchange	8,000,000	1			1	2
Mississippi River Grain	7,927,000			4	1	5
Collingwood Grain, Inc.	7,838,000	4	1			5
W.B. Johnston Grain Co.	7,500,000	1		1		2
Public Elevator New Orleans	7,000,000				1	1
Archer Daniels Midland Co.	6,500,000	1				1
Topeka Mill & Elevator Co.	6,064,117	1				1
Mid-States Terminals, Inc.	6,000,000				1	1
Houston Port Authority	6,000,000				1	1
Corpus Christi Pub. Elev.	5,555,000				1	1

*Includes Lauhoff Grain Co. **Includes Burdick Grain Co. and O-K Grain Division.

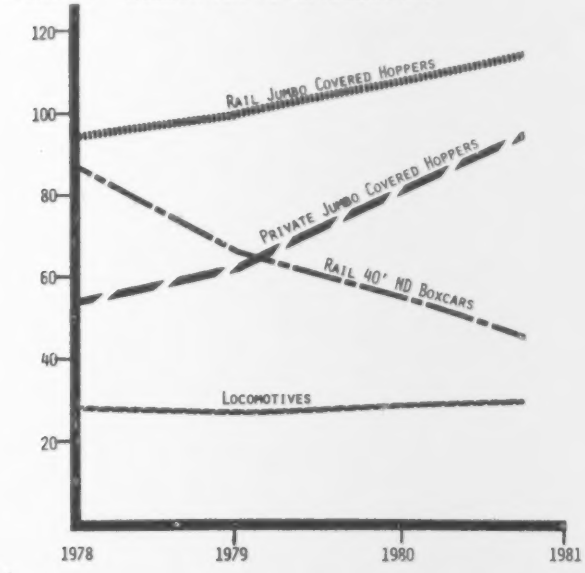
Rail/barge grain transport statistics

Rails vs. barges in grain transportation

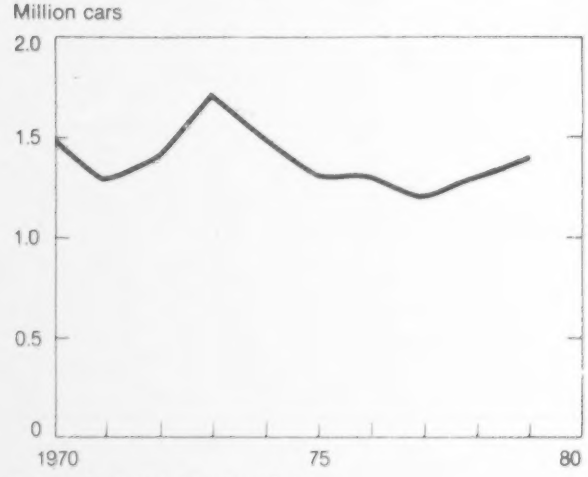
	Railroads		Barges		Rail-Barge Totals	
Year	Billions of bus moved	Average, million bus per week	Billions of bus moved	Average, million bus per week	Rail share	Barge share
1970	3.702	71.2				
1971	3.390	65.2				
1972	3.698	71.1				
1973	4.501	86.6	.988	19.0	82.0%	18.0%
1974	4.210	81.0	1.030	19.8	80.8	19.7
1975	4.065	78.2	1.196	23.0	77.3	22.7
1976	4.100	78.8	1.612	31.0	71.8	28.2
1977	3.911	75.2	1.524	29.3	72.0	28.0
1978	4.125	79.3	1.628	31.3	71.7	28.3
1979	4.410	84.8	1.622	31.2	73.1	26.9
1980	(n.a.)	(n.a.)	(n.a.)	36.7	(n.a.)	(n.a.)

n.a. = not available.
Sources: Association of American Railroads and Department of Agriculture.

RAIL EQUIPMENT OWNERSHIP
JANUARY 1978 TO SEPTEMBER 1980

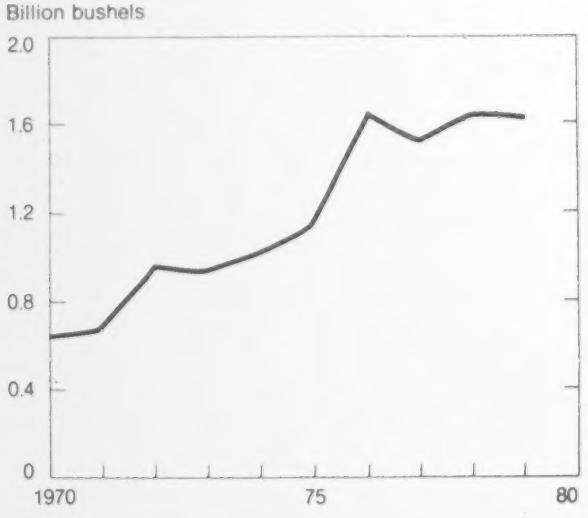


Carloads of Grain Shipped by Rail



Source: Association of American Railroads.

Barge Shipments of Grain, Interior River Points



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Grains inspected for export by region and port area

January-December, 1980

Ports	Wheat	Rye	Corn[1]	Oats	Barley	Sorghum	Soybeans	Flaxseed	Total
Lakes[2]					1,000 bus				
Chicago Area			72,155				4,550		76,705
Duluth-Superior .	121,168	5,760	41,949	3,677	36,767		1,047	87	210,455
Toledo Area.....	12,217		115,984				52,352		180,453
Saginaw Area....	1,983		4,661				2,513		9,157
Subtotal.....	135,368	5,760	234,749	3,677	36,767		60,462	87	486,027
Atlantic									
North	15,659		101,019				18,601		135,279
South	48,818		268,573	2	3,152		72,985		393,530
Subtotal.....	64,477		369,592	2	3,152		91,586		528,809
Gulf									
Mississippi River.....	233,388		1,174,330	80		15,627	523,636		1,947,011
East Gulf	9,216		123,875				55,369		188,460
North Texas Gulf	370,071		153,729		45	88,315	57,827		669,987
South Texas Gulf	25,475		937			77,725			104,137
Subtotal.....	638,150		1,452,871	80	45	181,667	636,832		2,909,645
Pacific									
Columbia River .	395,995				19,684	9,040			424,719
Puget Sound	4,824		269,546		3	37,995	2		312,370
California.....	60,241		96,818			23,518	259		180,836
Subtotal.....	461,060		366,364		19,687	70,553	261		917,925
Interior	10,528	59	47,486	24	5,237	42,752	12,352		118,438
Totals:									
Jan.-Dec. 1980 ...	**1,309,583**	**5,819**	**2,471,062**	**3,783**	**64,888**	**294,972**	**801,493**	**87**	**4,960,844**
Jan.-Dec. 1979 ...	1,210,063	2,365	2,337,945	1,275	32,550	223,123	764,637		4,565,374

1 Includes white corn. 2 Includes waterway shipments to Canada. Source: Federal Grain Inspection Service.

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Inspections for export by port areas

(Wheat and all grains, thousands of bus)

Export grain traffic

(As per cent of total rail-hauled grain and as per cent of total U.S. grain exports.)

Year	Total grain moved by rail (billion bus)	Moved to port (billion bus)	Export % of rail total	Total U.S. exports (billion bus)	Rail % of U.S. total
	— (Calendar year basis) —				
1970	3.702	1.156*	...	1.770*	...
1971	3.390	.965*	...	1.840*	...
1972	3.697	.923*	...	1.905*	...
1973	4.501	2.298	51.1	3.360	68.4
1974	4.210	1.620	38.5	2.783	58.2
1975	4.065	1.577	38.8	2.828	55.8
1976	4.108	1.658	40.4	3.533	46.9
1977	3.911	1.588	40.6	3.382	47.0
1978	4.125	2.110	51.2	4.187	50.4
1979	4.410	2.342	53.1	4.564	51.3

* Fiscal year figures.
Source: Association of American Railroads.

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Leading grain-hauling railroads

(Revenue carloadings)

	1979	1978	1977	1976
BN	(1) 249,408	(1) 245,000	(1) 232,766	(1) 264,509
UP	(2) 148,850	(3) 114,853	(4) 91,982	(4) 96,926
ATSF	(3) 139,830	(2) 135,943	(2) 137,860	(2) 135,269
CNW	(4) 120,503	(4) 102,654	(6) 83,787	(3) 97,480
MP	(5) 94,882	(6) 89,268	(3) 94,013	(5) 88,704
ICG	(6) 82,972	(7) 80,119	(7) 74,446	(7) 76,130
CRIP	(7) 82,185	(5) 95,471	(5) 86,872	(6) 85,513
CR	(8) 69,781	(8) 65,813	(9) 55,857	(8) 75,025
NW	(9) 68,154	(9) 65,100	(8) 68,084	(9) 64,204
MILW	(10) 64,891	(10) 63,714	(10) 52,396	(10) 58,454
SOO	(11) 57,014	(11) 56,527	(13) 39,974	(13) 39,128
SOU	(12) 52,946	(12) 50,128	(11) 43,778	(11) 48,452
LN	(13) 47,791	(13) 44,698	(12) 40,662	(12) 39,650
BO	(14) 26,833	(15) 23,630	(15) 20,292	(15) 20,387
SLSF	(15) 26,306	(14) 24,067	(14) 22,832	(14) 26,051
CO	(16) 15,691*			
CS	(17) 14,948*			
SCL	(18) 13,887*			
MKT	(19) 10,212*			
SSW	(20) 7,465	(16) 7,551	(16) 7,909	(17) 9,756
TPW	(21) 7,253*			
DRGW	(22) 5,628*			
SP	(23) 5,550	(17) 6,144	(17) 6,574	(16) 11,730
U.S.	**1,428,170**	**1,340,254**	**1,241,158**	**1,323,084**

* Not previously ranked.

Source: Association of American Railroads.

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Leading grain ports

(Based on rail car unloadings

10-year period, 1970-79

Port	Average unloads
1 — Houston	104,943
2 — Duluth-Superior	71,307
3 — New Orleans	52,295
4 — Baltimore	42,966
5 — Hampton Roads	35,668
6 — Beaumont	24,732
7 — Corpus Christi	24,711
8 — Galveston	23,889
9 — Portland	22,652
10 — Philadelphia	19,396
11 — Pascagoula	15,295
12 — Seattle	14,145
13 — Tacoma	13,965

Three-year period, 1977-79

Port	Average unloads
1 — Houston	106,566
2 — Duluth-Superior	68,666
3 — New Orleans	67,401
4 — Baltimore	59,185
5 — Hampton Roads	47,780
6 — Galveston	34,844
7 — Corpus Christi	30,198
8 — Tacoma	25,579
9 — Portland	25,102
10 — Pascagoula	23,213
11 — Beaumont	22,152
12 — Seattle	16,147
13 — Philadelphia	13,243

Source: Association of American Railroads.

Covered hopper orders, deliveries and investment

Year	Ordered	Delivered	Average Cost	Investment
1970	10,836	11,671	$16,200	$ 189,070,200
1971	9,919	11,923	15,900	189,575,700
1972	11,076	9,589	18,000	172,602,000
1973	29,895	17,925	18,000	322,650,000
1974	16,664	16,997	20,000	339,940,000
1975	2,932	10,859	26,400	286,677,600
1976	6,930	7,584	27,500	208,500,000
1977	11,518	10,500	29,000	304,500,000
1978	33,346	14,060	32,900	462,574,000
1979	37,304	19,448	40,000	777,920,000
Totals	**170,420**	**130,556**		**$3,254,069,500**
Annual Average	17,042	13,056		$325,406,950

(On order and undelivered as of Jan. 1, 1980: 39,459 covered hopper cars. Average cost at start of 1980: $42,000.)

Source: Association of American Railroads.

Rail grain fleet

(Jan. 1, 1970 — Jan. 1, 1980

Year	40-foot narrow door boxcars	Covered hoppers	Total grain cars	Total capacity in bus
1970	180,881	161,068	341,949	909,393,200
1971	207,594†	170,742	378,436	995,910,800
1972	190,036	179,875	369,911	991,647,000
1973	178,512	186,219	364,731	990,168,600
1974	164,662	204,926	369,588	1,026,072,400
1975	149,514	219,362	368,876	1,044,858,800
1976	131,640	228,265	359,905	1,039,381,000
1977	107,748	230,069	337,817	997,730,600
1978*	86,460	148,696	235,156	678,486,400
1979*	66,186	161,762	227,948	682,362,800
1980*	58,506	185,952	244,458	749,248,800

Calculations above assume average boxcar carries 2,000 bus of grain and average covered hopper carries 3,400 bus.

† Increase due to reclassifiction of a number of cars from wide to narrow door.

* Figures for the years 1978 and onward are noncomparable with prior figures due to computer separation, beginning Jan. 1, 1978, of grain-carrying jumbo covered hoppers from smaller hoppers in the fleet which are not used for hauling grain except on rare occasions. Figuring 1980 grain fleet capacity on the same basis as that used prior to 1978 would show a total capacity of 1,031,336 bus, with 268,919 covered hoppers in the fleet and 58,506 40-foot, narrow door boxcars.

Source: Association of American Railroads.

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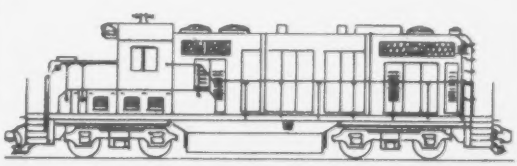

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